GPRS/GSM Application Kit

This Kit provides all the tools necessary to sample and develop applications that **combine a Rabbit based control device with a GSM/GPRS modem**. The libraries and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore module (RCM) that can interpret messages as commands and in turn execute control function. The RCM can also send/receive GPRS e-mail wirelessly to/from and PC, GSM device or cell phone.

Highlights: • Hardware/Software for wireless RCM communication and control via GPRS/GSM • Enfora™ Spider SA-GL Quad Band wireless modem and antenna • GUI and Keypad configuration menu system • Royalty-free TCP/IP stack in source code • Sample programs/libraries for generic modem operation • Fully integrated development software: compiler, editor and debugger for control applications

316-1063-ND	(101-0948)	**$649.00**

NEW! Wireless Control Application Kit

The Wireless control Application Kit provides a reference to interface a license-free 900MHz or 2.4GHz wireless data module to a new or existing Rabbit-based embedded system.

Features: • Low power LP3500 with low-EMI Rabbit® 3000 microprocessor • Up to 512K each of Flash and SRAM • 26 industrialized digital I/O • A/D inputs and PWM outputs • 6 serial ports, one relay • 2 dedicated function ports for easy connection to Serial Flash, keypad/display and other devices • Two MaxStream® license-free RF Modules, FCC approved • Complete software libraries and samples

316-1132-ND	(101-1165)	**$472.88**

NEW! RCM4510W RabbitCore Development Kit

The RCM4510W RabbitCore module mounts directly on a user-designed motherboard and acts as the controlling microprocessor for the embedded system. The motherboard supplies power to the RCM4510W and allows many different CMOS-compatible devices to interface with the core module. Integrated on the RCM4510W is a Digi® XBee™ ZNet 2.5 RF module for ZigBee/802.15-4 embedded implementation.

Features: • RabbitCore module running @ 29.49MHz • Designed for ZigBee®/802.15.4 wireless connectivity • 512K flash memory, 512K data SRAM • Up to 40 general-purpose I/O lines configurable • Up to 9 additional general-purpose I/O lines (up to 4 of which may be set up as analog inputs) available through the on-board ZigBee compliant RF module • Small size: 1.84" x 2.85" x 0.54" (47mm x 72mm x 14mm)

316-1135-ND	(101-1188) Development Kit	**$236.44**
316-1144-ND	(20-101-1207)	**$74.70**

NEW! RCM3900 RabbitCore Development Kit

• A Development Kit provides the essentials that you need to design your own microprocessor-based system, and includes a complete Dynamic C software development system. The Development Kit also contains a Prototyping Board that will allow you to evaluate the RCM3900 module and to prototype circuits that interface to the module.

316-1137-ND	(101-1226)	**$328.18**

Bluetooth Application/Add On Kits

This kit provides all of the hardware and software necessary to develop a Bluetooth application. It includes an RCM3100, Embedded Blue eb506-AHC-IN Bluetooth Radio Module, prototyping board and miscellaneous cables and hardware. This kit also includes the Dynamic C Integrated Development Environment, Bluetooth drivers, libraries, sample programs and manuals.

Features: • Bluetooth radio modules plug directly into supported RCMs and SBCs • Simple serial UART communications and control • Seamless connectivity with any Bluetooth device • 2.4GHz FHSS (Frequency Hopping Spread Spectrum) technology ensures high reliability and is robust to interference • Low current consumption for long battery life • Complete with sample applications and source code • Internal Surface-mount antenna

316-1072-ND	(101-1040)	Application Kit	**$399.00**
316-1073-ND	(101-1042)	Add-On Kit	**$99.00**

NEW! RCM5400W RabbitCore Development Kit

The RCM5400W RabbitCore module series provides Wi-Fi/802.11b/g functionality, enabling you to create low-cost, embedded wireless control and communications solutions for embedded control applications.

Features: • Rabbit® 5000 running @ 73.73MHz • Up to 2MB of serial flash • 39 lines of digital I/O • Integrated IEEE 802.11b/g Wi-Fi • Up to 6 serial ports • Small size: 1.84" x 2.85" x 0.50" (47mm x 72mm x 13mm)

316-1138-ND	(101-1262) Development Kit	**$243.75**
316-1148-ND	(20-101-1246)	**$102.71**
316-1149-ND	(20-101-1247)	**$112.50**

NEW! RCM4400W Wi-Fi Development Kit

Jumpstart your evaluation and design efforts with a complete Rabbit 4000 development kit, which includes a microprocessor core module, development board with prototyping area, Dynamic C 10 development system and complete documentation on CD-ROM, serial cable for programming and debugging, Getting Started manual, and AC adapter (U.S./Canada only).

316-1133-ND	(101-1173) Development Kit	**$236.44**
316-1143-ND	(20-101-1202)	**$102.71**
316-1147-ND	(20-101-1221)	**$102.71**

NEW! RCM4300 RabbitCore Development Kit

• The kit includes a RCM4300 core module with a miniSD™ card, a prototyping board, accessories, and development tools to get you up and running quickly. Along with our industry-proven Dynamic C® integrated development software — incorporating an editor, compiler, and in-circuit debugger — there is also the FAT file system familiar to many programmers, RabbitWeb for creating HTML web pages, and Rabbit's Secure Socket Layer (SSL) utility.

316-1134-ND	(101-1177) Development Kit	**$236.44**
316-1141-ND	(20-101-1138)	**$97.21**
316-1142-ND	(20-101-1139)	**$84.21**

Rabbit Cloning Board

RoHS Compliant

The Rabbit Cloning Board copies designated portions of flash memory from one Rabbit-based controller (the master) to another (the clone). Dynamic C® version 6.50 or later is needed to use the cloning board.

Benefits: • The Rabbit Cloning Board replaces a PC or EPROM burner as the primary tool to load programs, thus reducing costs and workspace • Programs may be loaded quickly onto blank, soldered on flash devices • High-speed transfers at 57,600 bps or 115,200 bps • Higher-speed data transfer of up to 921,600 bps starting with Dynamic C version 7.05 • Ideal for low-volume cloning production

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Cloning Board	316-1101-ND	89.00	20-101-0589

Rabbit 3000A™ Microprocessor

RoHS Compliant

Programming the Rabbit 3000A: Microprocessor hardware and software development is easy for Rabbit users. The Rabbit 3000A is programmed using the industry-proven Dynamic C® software development system from sister division Z-World.

Key Features: • Low-EMI: typically <10 dB µV/m @ 3m • Ultra-low power modes • 1.8V ~ 3.6V (5V tolerant I/O) • 55.5MHz clock speed • 56+ digital I/O • 6 serial ports supporting IrDA and ASync (4 of which support SPI; 2 support SDLC/HDLC) • Pulse capture and measurement • Quadrature encoder inputs • PWM outputs

Standard Features: • Glueless memory and I/O interface • Direct support for 1MB code/data space (up to 6MB with glueless interface) • Battery-backable real-time clock • Watchdog timer • Remote boot/program • Slave port interface

Design Advantages: • Extensive Ethernet/Internet support and royalty-free TCP/IP stack with source and sample programs • Dynamic C® development environment for real-time development and debugging • Exceptionally fast performance for math, logic and I/O

Description	Digi-Key Part No.	Price Each 2	10	100	Rabbit Part No.
Rabbit 3000A 55.5MHz, 128LQFP	316-1061-ND	14.50	13.13	12.50	20-668-0011

Rabbit 3000A/RCM3000 Development Kit
Digi-Key Part No. 316-1017-ND (101-0523) Only **$299.00**

The Rabbit 3000A/RCM3000 Development Kit includes an RCM3010 Ethernet core module (with Rabbit 3000A microprocessor, Flash, SRAM, Ethernet hardware), a prototyping board, complete Dynamic C SE software development system (not a trial version) with TCP/IP stack and documentation on CD-ROM, power supply and serial cable for programming and debugging.

RabbitCore™ RCM3400 Analog Core Module

RoHS Compliant

Features: • 3.3V operation • Powerful Rabbit 3000 microprocessor • Low-EMI (typically <10 dB µV/m @ 3m) • RCM3400: 512K Flash/512K SRAM, RCM3410: 256K Flash/256K SRAM • 8 channel 12-bit A/D with programmable gain • 47 digital I/O, Auxiliary I/O bus • 5 serial ports (IrDA, SDLC/HDLC, Asynch, SPI) • MAC ID installed

Design Advantages: • Ready-made platform for fast time-to-market • Compact size simplifies integration • Dynamic C development environment for real-time development and debugging • Exceptionally fast performance for math, logic, and I/O

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
RCM3400	316-1099-ND	69.00	20-101-0561
RCM3410	316-1100-ND	59.00	20-101-0562

Rabbit RCM3400 RabbitCore Development Kit
Digi-Key Part No. 316-1027-ND (101-0587) Only **$399.00**

The RCM3400 Development Kit includes an RCM3400 core module, a prototyping board, AC adapter (U.S. only), 10-pin header to DE9 programming cable with integrated level-matching circuitry, complete Dynamic C SE software development system (not a trial version) with documentation on CD-ROM and a bag of accessory parts for use on the Prototyping Board.

RabbitCore Wi-Fi Add On Kit
Digi-Key Part No. 316-1067-ND (101-0998) Only **$199.00**

The Wi-Fi Add On Kit includes Interposer Board (boards are not interchangeable between RCMs with different footprints, CompactFlash Wi-Fi Board, LinkSys Wi-Fi CompactFlash Card, 20-pin to 20-pin IDC header connection ribbon cable, 10-pin IDC header to DE9F serial cable, Sample Programs and software related specifically to the Wi-Fi Add on Kits on CD, Dynamic C upgrade to 9.21 or higher on CD, Getting Started instruction and Miscellaneous connection and mounting hardware including standoffs, if necessary

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